

RECEIVED  
CENTRAL FAX CENTER

MAR 20 2006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICEDocket No. A01460  
KC/In re application of:  
Jean Luc Sibiet et al.

Serial No.: 10/698,183

Group Art Unit: 1731

Filed: October 31, 2003

Examiner: Anna L. Kinney

For: Method for Brightening Virgin Mechanical Pulp

DECLARATION UNDER 37 C.F.R. § 1.132

I, Goda Rangamannar, of 350, Emerson Avenue, Hampstead, New Hampshire, 03841 declare and say as follows:

1. I have been employed at the Rohm and Haas Company since 2000. I have a Bachelor of Technology degree in Chemical Engineering from Madras University, India (1976) and a Master of Science degree in Paper Science and Engineering from Miami University, Ohio, (1982). I have been involved with our Borohydrides business since 2000. My job responsibilities have included research and development (2000-2003) and technical support (2003-current) for use of borohydrides in bleaching applications. I am currently a Technical Manager of the Bleaching Chemicals group.

2. I have been the coinventor of four U.S. patent applications filed during my tenure at Rohm and Haas Company.

3. I am thoroughly familiar with the subject matter and background of the subject US patent application (Serial No. 10/698,183), and I have read the Official Action dated January 31, 2006.

4. In March, 2006, I supervised preparation (in North Andover, MA) of mixtures of sodium borohydride (SBH), sodium bisulfite (SBS) and sodium hydroxide, and measurement of pH for these mixtures. SBH and NaOH were provided in the form of Borol™ solution (12% SBH, 40% NaOH). The results are presented in the table below:

SBS:Borol weight ratio	SBS:SBH mole ratio	(SBS-NaOH):SBH mole ratio	pH
2.376	7.2	4	8.73
2.706	8.2	5	8.50
3.036	9.2	6	8.30
3.366	10.2	7	8.00
3.696	11.2	8	7.45

The pH results demonstrate that, from a (SBS-NaOH)/SBH mole ratio of 4 to 8, the pH of the resulting mixture is no greater than 8.73.

5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patent issued

thereon.

G. Rangamannar

Goda Rangamannar

Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2399  
Date: March 17, 2006